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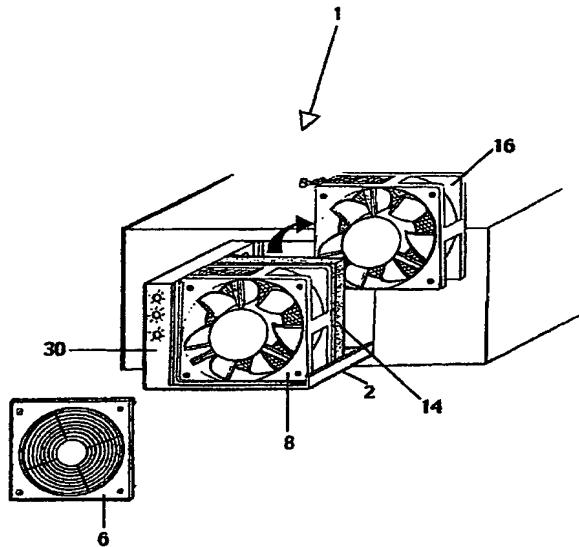
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(54) Title: SERIES FANS WITH FLOW MODIFICATION ELEMENT



(57) Abstract: A series fan assembly has a primary fan, a flow modification element to reduce swirl, and a secondary fan, mounted in a series configuration. A connecting sleeve directs the combined output into an enclosure containing components to be cooled, or a heat sink. A sliding drawer is configured within said connecting sleeve to detachably hold said primary fan, said flow modification element, and said secondary cooling fan, allowing for the hot swappable replacement of defective components. A controller is in communication with a power source, said primary fan, said secondary fan, and at least one sensor monitoring the status of each of said primary fan and said secondary fan. Said controller is configured to maintain said combined output above a minimum control level at all times, in the event of the failure of said primary fan or said secondary fan.



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